



Missouri  
Department of  
Natural Resources

KCP&L Greater Missouri Operations Company  
Power Plant Name: Greenwood  
Electric Generation and Emissions in 2010

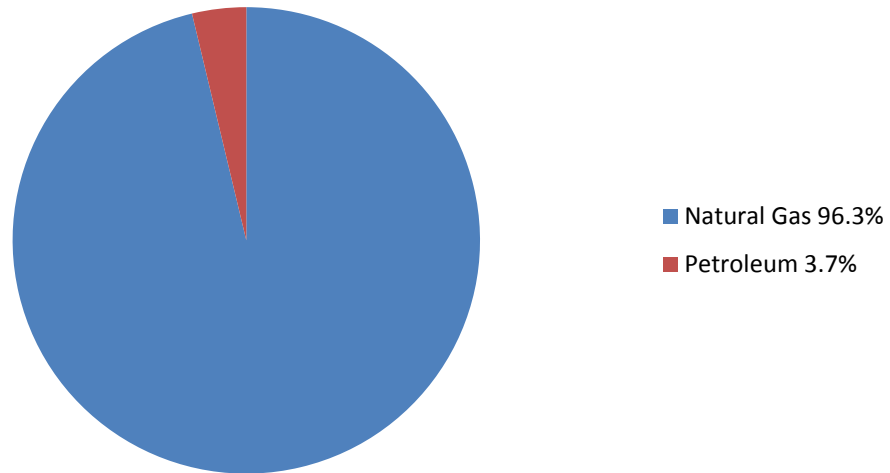
Generation Tables

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated, MWh	Percent of Total	
<b>Non-renewable sources</b>						
Coal						
Natural Gas	454,293	95.7%	95.7%	21,156	96.3%	96.3%
Petroleum	20,346	4.3%	4.3%	821	3.7%	3.7%
Nuclear						
Other						
<b>Non-renewable total</b>	<b>474,639</b>	<b>100.0%</b>	<b>100.0%</b>	<b>21,977</b>	<b>100.0%</b>	<b>100.0%</b>
<b>Renewable sources</b>						
Biomass						
Hydroelectric						
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
<b>Renewable total</b>						
<b>Grand total</b>	<b>474,639</b>		<b>100.0%</b>	<b>21,977</b>		<b>100.0%</b>

Fuel Type	Physical Units	Number of Units
Natural Gas	MCf	454,293
Distillate Fuel Oil	Barrels	3,511



### Net Generation by Fuel Type, 2010 for Greenwood





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Power Plant Nameplate information for Greenwood

<b>Plant Name</b>	<b>County Location</b>	<b>Generator</b>	<b>Generator Type</b>	<b>Generator Status</b>	<b>Nameplate Capacity (MW)</b>
<i>Greenwood</i>		<i>All Operating Generators</i>			<i>976.0</i>
Greenwood	Jackson	1	Combustion (Gas) Turbine (includes jet engine design)	Operating - in service	244.0
Greenwood	Jackson	2	Combustion (Gas) Turbine (includes jet engine design)	Operating - in service	244.0
Greenwood	Jackson	3	Combustion (Gas) Turbine (includes jet engine design)	Operating - in service	244.0
Greenwood	Jackson	4	Combustion (Gas) Turbine (includes jet engine design)	Operating - in service	244.0



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Emissions from Electricity Generated in 2010: Greenwood

	<b>CO2 Equivalent (TONS)</b>	<b>Carbon Dioxide (CO2) (TONS)</b>	<b>Methane (CH4) (TONS)</b>	<b>Nitrogen Dioxide (NO2) (TONS)</b>
Greenwood	239,273	112,775	2,272	254

	<b>Sulfur Dioxide (SO2) (TONS)</b>	<b>Annual Nitrogen Oxide (NOx) (TONS)</b>	<b>Summer Nitrogen Oxide (NOx) (TONS)</b>
Greenwood	0	0.0000	0.0000

Identified Flue Gas Desulfurization (FGD) controls installed on Greenwood power plant

<b>Plant</b>	<b>Control Equipment</b>	<b>Sorbent Type</b>
	No FGD Controls Installed	

Identified Flue Gas Particulate (FGP) controls installed on Greenwood power plant

<b>Plant</b>	<b>Control Equipment</b>
	No FGP Controls Installed



## Missouri Department of Natural Resources

### **Notes:**

Generation, emissions and pollution control data include power plants owned by the utility and located in Missouri.

Emissions data calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data

Fuel Consumption and Generation Data from United States Energy Information Administration, Form 923, United States Department of Energy  
<http://www.eia.gov/electricity/data/eia923>

Pollution control data (FGD and FGP equipment) from United States Energy Information Administration, Form 860, United States Department of Energy  
<http://www.eia.gov/electricity/data/eia860/index.html>

Emissions factors for fuel-based generation from United States Environmental Protection Agency "Emission Factors for Greenhouse Gas Inventories", November 7, 2011,  
<http://www.epa.gov/climateleadership/documents/emission-factors.pdf>